

EPA Official Record

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From: Sylvia Kawabata/R10/USEPA/US

To: Brandon Perkins/R10/USEPA/US@EPA

Delivered Date: 04/20/2009 05:35 PM PST

Subject: Fw: Seep Data - message 1

message 1

----- Forwarded by Sylvia Kawabata/R10/USEPA/US on 04/20/2009 05:36 PM -----

Kira Lynch/R10/USEPA/US

01/21/2009 09:17 AM

To	Sylvia Kawabata/R10/USEPA/US@EPA
cc	
Subject	Fw: Seep Data

----- Forwarded by Kira Lynch/R10/USEPA/US on 01/21/2009 09:18 AM -----

"Frantz, Aaron" <FrantzAR@cdm.com>

07/17/2008 01:41 PM

To	Kira Lynch/R10/USEPA/US@EPA
cc	"Kurt Easthouse" <Easthouse@parametrix.com>
Subject	Seep Data

Hi Kira

This email follows a voice message that I just left for you.

Attached are file with the June 2008 seep data and a file that shows the seep location. TCE was detected at about 10 ug/l at the seep. However, as of now, I do not believe the seep concentration is associated with Time Oil.

The nearest MWs west (between the seep and the site) of the seep location are MWA, CH2M3 and CH2M4 and TCE was detected at these wells at 3.8, 4.6 and 52 ug/l, respectively. Based on our current understanding, MWA and CH2M3 are located hydraulically downgradient of Time Oil, but CH2M4 is considered to be north of the downgradient region. Therefore, a direct pathway from the site to MWA and CH2M3 is probable but a direct pathway to CH2M4 is not probable. Also, a low concentration (similar to several wells on the site) of 1,4-dioxane was detected at downgradient well MWA, but it was not detected at the other two wells and it was not detected at the seep.

Since the TCE concentration at the seep is greater than the concentration at MWA and CH2M3 and dioxane, which is common at the site, was not detected at the seep, it appears that the TCE at the seep is coming from another source.

This source may be located northwest of the seep and may be contributing to the elevated concentrations at CH2M4.

Call if you have any questions. The map I provided is in draft form for purposes of internal discussion. If you would like a map that is final and can be distributed to others (e.g., Ecology) we can prepare it.

Aaron R. Frantz, P.E., P.G.

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Seep_Location.pdf



2008SeepData.pdf